M I S S O U R I
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GOVERNOR

DEPARTMENT OF
Natural Resources
JAMES L. WILSON
DIRECTOR

Kenneth M. Karch, Director
Division of Environmental Quality

P.O. Box 176 Jefferson City, Missouri 65101 314-751-3241

San Rose
Westlake Landfill
St. Louis Co.

November 4, 1974

Site: West Lake QP
ID # MBD079910932
Break: 11.8
Other:
11.4.74

Mr. Vernon Fehr
Route 1, Box 206
Bridgeton, Missouri 63042

Dear Mr. Fehr:

Enclosed herewith is a copy of "Report of Investigation of Refuse Disposal Area, St. Louis County, Missouri", which I believe is self-explanatory.

We trust that your attention will be given to the recommendations contained in this report, and that corrective action will begin in the near future.

Sincerely,

Robert M. Robinson, P.E.
Director
Solid Waste Management Program

RMR:pdi

Enclosure

cc: Cruse and Trump, Route 1, Box 206, Bridgeton, Missouri
St. Louis County Health Department

DNR 0161

REPORT OF INVESTIGATION OF REFUSE DISPOSAL AREA
ST. LOUIS COUNTY, MISSOURI

November 4, 1974

INTRODUCTION

An investigation of the refuse disposal area operated by Westlake Landfill Incorporated, located on St. Charles Rock Road, was made by a representative of the Department of Natural Resources on October 23, 1974. This investigation was made to determine the compliance with the Missouri Solid Waste Management Law of 1972 and the Missouri Solid Waste Rules and Regulations.

UNSATISFACTORY FEATURES

1. The compacted clay pad is not being kept far enough ahead of the solid waste disposal operation. Filling is presently being done on the edge of the pad.

2. The cover material on previously filled areas was not adequate. The exposed solid waste is accessible to birds and is unsightly.

3. The demolition landfill does not have adequate cover throughout much of the previously filled areas.

COMMENTS

The engineering plans for the landfill call for the compacted clay pad to extend well in advance of the filling operation. Excavation of the present dumping area is not proceeding fast enough to allow for this. Inclement weather will prohibit placement and construction of the impervious clay liner. Therefore, a sufficient amount of liner must be constructed in the summer and fall months to allow operation during the winter. Also, placement of solid waste near the edge of the liner may interfere with forming a continuous seal when the next section of the liner is constructed. It is recommended that no solid waste be deposited within 15 feet of the edge of the liner.

RECOMMENDATIONS

It is recommended that:

1. the excavation and placement of the clay pad be advanced well ahead of the landfilling operation.

2. all previously filled areas of the old landfill be covered with at least 12 inches of soil, and that final cover material of at least two feet be applied to all areas where additional solid waste will not be buried.

Rick L. Roberts, Chief
Solid Waste Technical Services

RLR:pdf

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 10/23/74

Name of Sanitary Landfill: Westlake

Permit No: _____ County: ST LOUIS

Owner: CROSE + TWOMEY Operator: [illegible]

Address: Route 1 [illegible] Address: Rt 1 Box [illegible]

[illegible] [illegible]

I. Special Conditions and Approved Modifications

A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)

X Yes _____ No

B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No", describe violations under "REMARKS".)

_____ Yes X No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste	X		X
Bulky waste	X		X
Dead animals			
Incinerator residue			
Demolition and construction waste	X		X
Brush and untreated wood waste	X		X
Septic tank pumpings			
Wastewater treatment plant sludges			
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY)			
INDUSTRIAL PROCESS WASTE (SPECIFY)			
HAZARDOUS WASTES (SPECIFY) [illegible]			
OTHER WASTES (SPECIFY)			

III. Satisfactory Compliance Subsections

Check all subsections: SAT – Satisfactory; UNS – Unsatisfactory. (If necessary describe "UNS" violations under "Remarks".)

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
2.1.0 SOLID WASTE ACCEPTED			
2.1.3.A	Routine sanitary landfill techniques of spreading and compacting solid waste and placing cover material daily.	X	
2.1.3.B	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	X	
2.1.3.C	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.	X	
2.1.3.D	Disposal of dewatered sludges on working face along with municipal solid waste.	X	
2.1.3.E	Incinerator and air pollution control residues prevented from becoming airborne.	X	
2.2.0 SOLID WASTE EXCLUDED			
2.2.3.A	No unpermitted waste accepted.	X	
2.2.3.B	Sign posted at entrance listing excluded wastes.	X	
2.3.0 SITE SELECTION			
2.3.3.A	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X	
2.3.3.B	Public roads or access roads to the site above flood elevation.	X	
2.5.0 WATER QUALITY			
2.5.3.A	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X	
2.5.3.B	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	X	
2.5.3.C	No groundwater in contact with solid waste.	X	
2.6.0 AIR QUALITY			
2.6.3	No open burning without written permission of the proper air pollution agency and the Division.	X	
2.7.0 GAS CONTROL			
2.7.3.A	Decomposition gases adequately vented to prevent danger to occupants of adjacent property.	X	
2.7.3.B	Decomposition gases vented in a manner to prohibit accumulation in explosive or toxic concentrations.	X	
2.8.0 VECTORS			
2.8.3	Vector control programs implemented when necessary to prevent or rectify vector problems.	X	
2.9.0 AESTHETICS			
2.9.3.A	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.	X	
2.9.3.B	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X	

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
2.9.0 AESTHETICS (continued)			
2.9.3.C	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.	X	
2.9.3.D	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X	
2.10.0 COVER MATERIAL			
2.10.3.A	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.		X
2.10.3.B	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.	X	
2.10.3.C	Final cover applied on each area as completed in a layer not less than two feet after compaction.	X	
2.11.0 COMPACTION			
2.11.3.A	Working face not flatter than 3:1.	X	
2.11.3.A1	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	X	
2.11.3.A2	Wastes compacted to smallest practical volume.	X	
2.11.3.A3	Cover material compacted as much as practical.	X	
2.11.3.B	Preventive maintenance performed.	X	
2.11.3.C	Daily task operating manual provided.	X	
2.12.0 SAFETY			
2.12.3.A	Fire extinguishers provided on all equipment.	X	
2.12.3.B	Provisions for extinguishing fires in waste, equipment and structures.	X	
2.12.3.C	Communication equipment available.	X	
2.12.3.D	Scavenging prohibited	X	
2.12.3.E	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X	
2.12.3.F	Traffic controlled and directed to appropriate disposing points.	X	
2.12.3.G	Dust controlled for safety purposes and to prevent nuisances.	X	
2.13.0 RECORDS			
2.13.3.A1	Records of major problems and complaints.	X	
2.13.3.A2	Monitoring record maintained. a. leachate sampling and analyses, b. gas sampling and analyses, c. ground and surface water analyses.	X	
2.13.3.A3	Records of vector control efforts.	X	
2.13.3.A4	Records of dust and litter control efforts.	X	
2.13.3.A5	Records of quantity of waste handled.	X	
2.13.3.A6	Records of description, sources, and volume of special wastes listed in Subsection 2.2.1.	X	

IV. Operation Proceeding in Accordance With Approved Engineering Plans? (If "No", describe violations under "Remarks".)

______ Yes   __X__ No

REMARKS [illegible]

(Attach additional sheets as necessary.)

[illegible]   BY [illegible]